



# MECA

A Touchstone Energy® Cooperative



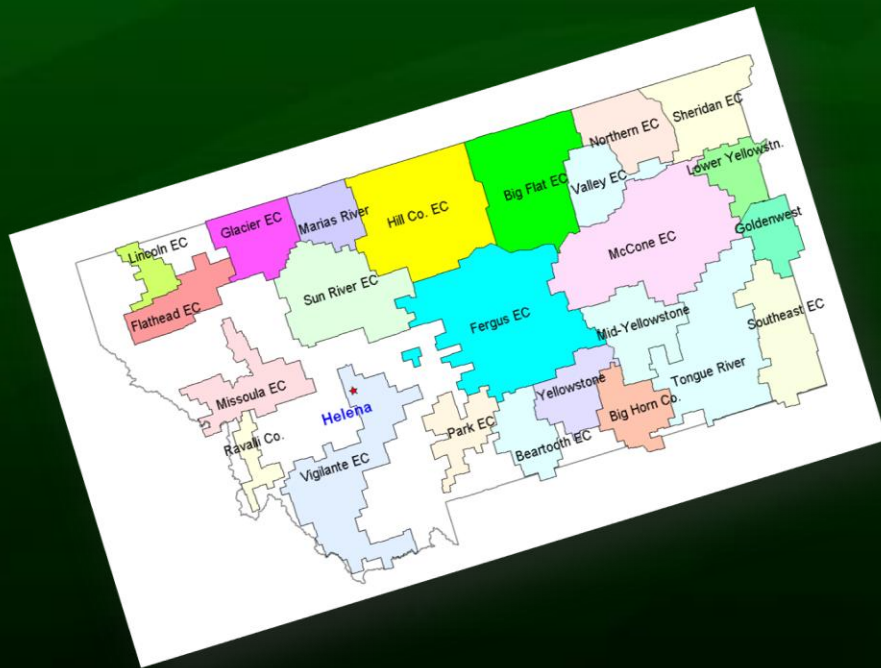


# **ENERGY EDUCATION WORKSHOP**

July 14, 2010  
Missoula, Montana

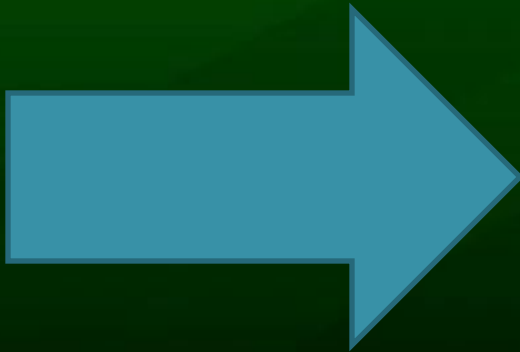
# Montana's electric co-ops – by the #'s

- 25
- 56
- 400,000
- 1/6
- 2.5 x



# Power Sources

- 25 to 95 percent



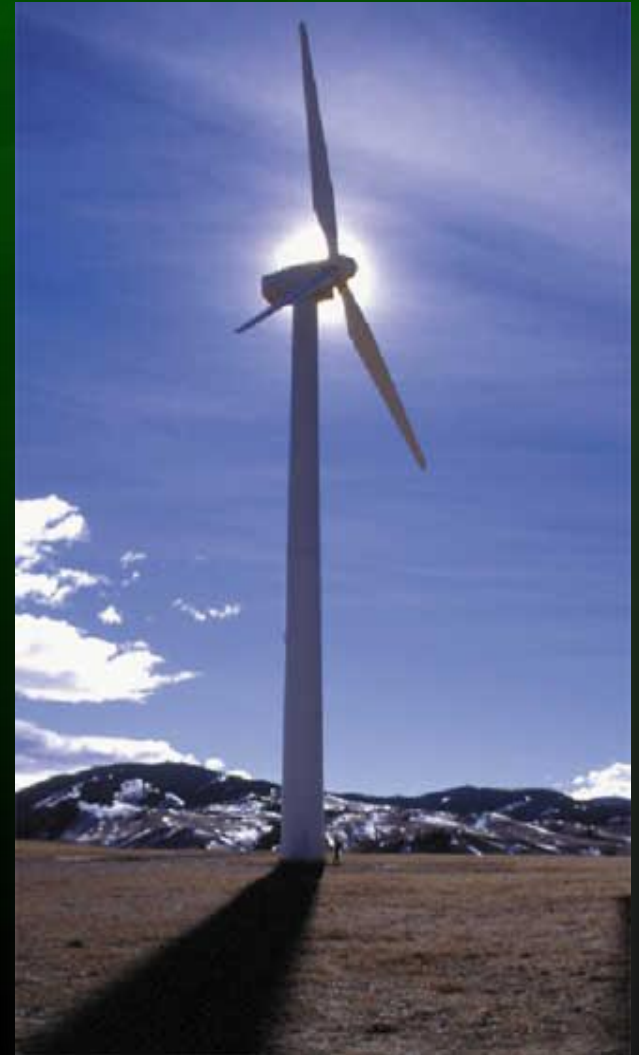
# Other Renewables



- 1<sup>st</sup> Landfill gas power plant
- 2<sup>nd</sup> landfill gas – Possible –

# Other renewables

- 20 % x 2010
  - Basin Electric Co-op
- 100 % purchase, offer or use RECs.
- Customer-owned gen.
  - Expansion/streamlining



**Challenges....**

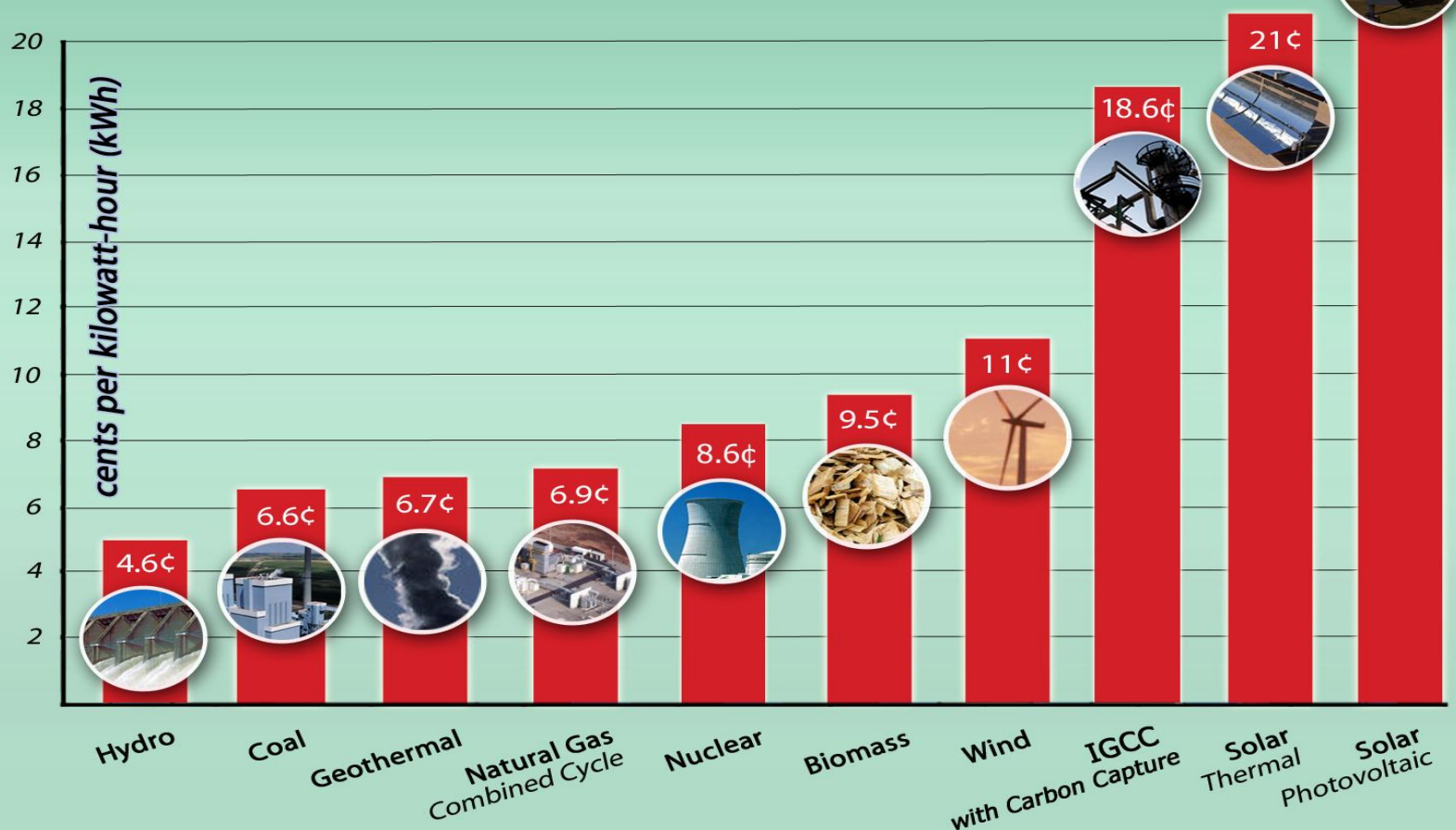
# Transmission

- Capacity shortages
- Cost shifting
- Environmental

**Cost....**

## When Pennies Count: *The price of new generation*

The cost to build new power plants can vary widely depending on how the electricity is produced. Each type of generation carries a ballpark price tag. The amounts shown below, based on each kWh produced, take into account plant construction, maintenance, fuel, and operating costs.



Estimates by National Rural Electric Cooperative Association using U.S. Energy Information Administration Annual Energy Outlook 2009 data

# Cost....

- 300 to 400 % above current supply
- 100 to 200% above market

**Deal builders on renewables  
for co-ops....**

# Deal builders

- Financing
- Firm power -
- Need
- Flexibility
- Shared output
- Power line capacity